

without markings. A Petition for a two month extension is enclosed herewith.

Please amend the application as follows:

In the Specification:

On page 17, line 9 please delete "S4" and insert -- S7 --.

In the claims:

Please amend the following claims:

C1
B1
112

17. (Amended) An optical signal transmitter comprising:
a laser diode for outputting an optical signal to be transmitted;
a driving current source for driving said laser diode;
a plurality of control circuits to output control signals for controlling the optical wavelength of said laser diode in different control modes, wherein each control mode is based on different control parameters representing external conditions that cause a wavelength variation;
and
a selector arranged so as to select at least one of said control modes according to the external conditions of said laser diode, and to apply a control signal output from said selected control circuit to said laser diode, thereby achieving stabilizing control of optical wavelength [in] with said selected control mode.

C2
B2

21. (Amended) An optical signal transmitter according to claim 2, wherein said selector is constructed so as to select said [first] second control deviation when said second control deviation is stably detected by said optical wavelength deviation detector, and to select

said [second] first control deviation when said second control deviation is not stably detected.

Please add the following new claims:

C3
B3
1/2
-- 25. (New) A control apparatus for stabilizing the wavelength of light output from a laser element, comprising:

a plurality of control circuits for outputting control signals to control the optical wavelength of said laser element in respectively different control modes, wherein each control mode is based on different control parameters representing external conditions that cause a wavelength variation, and

selecting means for selecting at least one of said control circuits according to the external conditions of said laser element, and applying a control signal output from said selected control circuit to said laser element, thereby achieving stabilizing control of optical wavelength with said selected control mode.

26. (New) A control apparatus for stabilizing optical wavelength according to claim 25, wherein, when said second control deviation is stably detected by said optical wavelength deviation detecting means, said selecting means selects said second control deviation, and when said second control deviation is not stably detected, said selecting means selects said first control deviation.

C4
27. (New) A control method for stabilizing the wavelength of light output from a laser element, comprising the steps of:

selecting at least one of a plurality of control circuits for outputting control signals for controlling the optical wavelength of said laser element in respectively different control modes according to the external conditions of said laser element, wherein each control mode is based on

different control parameters representing external conditions that cause a wavelength variation,
and

applying a control signal output from said selected control circuit to said laser element,
thereby achieving stabilizing control of optical wavelength in said selected control mode.

32
cond.

28. (New) A method for stabilizing optical wavelength according to claim 27, wherein in
said selecting step, when said second control deviation is stably detected in said optical
wavelength deviation detecting step, said second control deviation is selected, and when said
second control deviation is not stably detected in said optical wavelength deviation detecting
step, said first control deviation is selected. --

REMARKS

In the present application;

Claims 17-24 are pending.

Claims 17-24 stand rejected.

Claims 17 and 21 have been amended.

Claims 25-28 have been added.

Claims 17-28 are hereby submitted for consideration.

No new matter has been added.